

FORM PTO-1449 (Modified)		U.S. Department of Commerce Patent and Trademark Office		Attorney Docket No.: NLIGHTS- 06903		Serial No.: 07/036,811	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use Several Sheets If Necessary)				Applicant: Colleen E. Hayes <i>et al.</i>		Group Art. #	
(37 CFR § 1.98(b))				Filing Date: 12/21/01			

RECEIVED

APR 10 2002

CENTER 1600/2900

OIPF

PATENT & TRADEMARK OFFICE

APR 05 2002

U.S. PATENT DOCUMENTS

Examiner Initials	Cite No.	Serial Patent Number	Issue Date	Applicant / Patentee	Class	Subclass	Filing Date

FOREIGN PATENTS OR PUBLISHED FOREIGN PATENT APPLICATIONS

Document Number	Publication Date	Country / Patent Office	Class	Subclass	Translation	
					Yes	No
1. WO 01/42205 A2	14 June 2001	WO				

OTHER DOCUMENTS (Including Author, Title, Date, Relevant Pages, Place of Publication)

Examiner: SABHA GAZI	Date Considered: 9/22/2002
-----------------------------	-----------------------------------

EXAMINER: Initial citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

FORM PTO-1449 (Modified)		U.S. Department of Commerce Patent and Trademark Office		Attorney Docket No.: NLIGHTS-03835		Serial No.: 09/469,985	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use Several Sheets If Necessary)				Applicant: Colleen E. Hayes <i>et al.</i>			
				Filing Date: 12/21/99		Group Art Unit: 1616	
U.S. PATENT DOCUMENTS # 2							
Examiner Initials	Cite No.	Serial / Patent Number	Issue Date	Applicant / Patentee	Class	Subclass	Filing Date
<div style="border: 1px solid black; border-radius: 50%; padding: 5px; display: inline-block;"> APR 05 2002 PATENT & TRADEMARK OFFICE </div>	1	5,932,565	08/03/99	Grue-Sorenson	514	167	03/21/97
	2	5,786,347	07/29/98	Hesse et al.	516	167	12/13/94
	3	5,710,142	01/20/98	Calverley et al.	514	167	11/01/93
FOREIGN PATENTS OR PUBLISHED FOREIGN PATENT APPLICATIONS							
		Document Number	Publication Date	Country / Patent Office	Class	Subclass	Translation
							Yes No
503	4	EP0927721	17/12/97	EP			X
OTHER DOCUMENTS (Including Author, Title, Date, Relevant Pages, Place of Publication)							
Examiner: <u>SABHA QAZI</u>				Date Considered: <u>9/22/02</u>			
EXAMINER: Initial citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.							

RECEIVED

APR 10 2002

TECH CENTER 1600/2900

FORM PTO-1449
(Modified)U.S. Department of Commerce
Patent and Trademark OfficeAttorney Docket No.: NLIGHTS-
03835

Serial No.: 102469,985

INFORMATION DISCLOSURE STATEMENT BY APPLICANT
(Use Several Sheets If Necessary)Applicant: Colleen E. Hayes *et al.*

Filing Date: 12/21/99

Group Art Unit: 1616

(37 CFR § 1.98(b))

U.S. PATENT DOCUMENTS

Examiner Initials	Cite No.	Serial / Patent Number	Issue Date	Applicant / Patentee	Class	Subclass	Filing Date
	1	5,952,317	09/14/99	De Luca <i>et al.</i>	514	167	09/21/95
	2	5,716,946	02/10/98	De Luca <i>et al.</i>	514	167	02/13/96
	3	5,891,865	04/06/99	De Luca <i>et al.</i>	514	167	10/04/96
	4	5,936,105	08/10/99	Paaren	552	653	06/11/98
	5	5,932,565	08/03/99	Grue-S.o slashed.rensen	514	167	01/14/98
	6	5,929,056	07/27/99	Mourino <i>et al.</i>	514	167	12/11/95
	7	5,905,074	05/18/99	Schneider	514	167	12/18/97
	8	5,902,806	05/11/99	Ikeda <i>et al.</i>	514	167	02/24/97
	9	5,883,271	03/16/99	Ono	552	653	10/08/97
	10	5,877,168	03/02/99	Miyamoto <i>et al.</i>	514	167	09/03/96
	11	5,872,140	02/16/99	Hesse <i>et al.</i>	514	359	03/21/96
	12	5,811,562	09/22/98	Hesse <i>et al.</i>	552	653	11/20/96
	13	5,786,347	07/28/98	Hesse <i>et al.</i>	514	167	07/31/96
	14	5,756,733	05/26/98	Hesse <i>et al.</i>	544	164	01/05/96
	15	5,716,945	02/10/98	Grue-S.o slashed.rensen	514	167	11/07/95
	16	5,710,142	01/20/98	Calverley <i>et al.</i>	514	167	05/02/95
	17	4,312,806	01/26/82	Lambert <i>et al.</i>	260	149	03/02/81
	18	5,216,002	06/01/93	Gidda <i>et al.</i>	514	369	12/07/90
	19	5,238,931	08/24/93	Yoshikawa <i>et al.</i>	514	184	07/05/91
	20	5,294,630	03/15/94	Blake <i>et al.</i>	514	372	07/07/92
	21	5,368,854	11/29/94	Rennick	424	852	08/20/92
	22	5,391,555	02/21/95	Marshall <i>et al.</i>	514	311	02/26/93
	23	5,506,213	04/09/96	Carson <i>et al.</i>	514	46	05/19/94
	24	5,552,439	09/03/96	Panetta	514	534	09/29/93
	25	5,569,680	10/29/96	Wu	514	786	02/13/95
	26	5,756,449	05/26/98	Andersen <i>et al.</i>	514	8	02/24/95
	27	5,792,795	08/11/98	Buser <i>et al.</i>	514	560	08/07/96
	28	5,932,214	08/03/99	Lobb <i>et al.</i>	424	144.1	10/15/97
	29	5,834,021	11/10/95	Speirs	424	490	02/11/97
	30	5,888,969	03/30/99	Girten <i>et al.</i>	514	8	07/14/97
	31	5,889,028	03/30/99	Sandborn <i>et al.</i>	514	343	08/07/97

OTHER DOCUMENTS (Including Author, Title, Date, Relevant Pages, Place of Publication)

Examiner:

SABHA QAZI

Date Considered:

9/22/2002

EXAMINER:

Initial citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

TECHNICAL CENTER 1600/2900

APR 1 0 2002

RECEIVED

DIPE
APR 05 2002
PATENT & TRADEMARK OFFICE

502

FORM PTO-1449
(Modified)U.S. Department of Commerce
Patent and Trademark OfficeAttorney Docket No.: NLIGHTS-
03835

Serial No.: 09/469,985

INFORMATION DISCLOSURE STATEMENT BY APPLICANT
(Use Several Sheets If Necessary)Applicant: Colleen E. Hayes *et al.*

(37 CFR § 1.98(b))

Filing Date: 12/21/99

Group Art Unit: 1600/2900

U.S. PATENT DOCUMENTS

Examiner Initials	Cite No.	Serial / Patent Number	Issue Date	Applicant / Patentee	Class	Subclass	Filing Date
	32	5,643,602	07/01/97	Ulmus	424	462	05/09/94
	33	5,851,548	12/22/98	Dattagupta <i>et al.</i>	424	450	06/07/95
	34	5,711,964	01/27/98	Dattagupta <i>et al.</i>	424	450	06/07/95
	35	5,834,016	11/10/98	Naeff <i>et al.</i>	424	450	03/06/97
	36	4,638,043	01/20/87	Szycher <i>et al.</i>	528	75	08/23/85
	37	5,830,505	11/03/98	Fischer <i>et al.</i>	424	487	04/01/97
	38	5,876,746	03/02/99	Jona <i>et al.</i>	424	449	06/06/96
	39	5,824,313	10/20/98	Daynes <i>et al.</i>	424	184.1	06/07/95
	40	5,518,725	05/21/96	Daynes <i>et al.</i>	424	212.1	09/09/93

FOREIGN PATENTS OR PUBLISHED FOREIGN PATENT APPLICATIONS

	Document Number	Publication Date	Country / Patent Office	Class	Subclass	Translation	
						Yes	No

OTHER DOCUMENTS (Including Author, Title, Date, Relevant Pages, Place of Publication)

41	MacDermott, R.P., <i>J. Gastroenterology</i> , 31:907-916 (1996)
42	Boehm <i>et al.</i> , <i>Chemistry & Biology</i> 6:265-275 (1999)
43	Satsangi <i>et al.</i> , <i>Clin. Sci. (Colch)</i> , May;94(5):473-8 (1998)
44	Andreassen <i>et al.</i> , <i>Scand. J. Gastroenterol.</i> , 32:1247-1255 (1997)
45	Boot <i>et al.</i> , <i>Gut</i> , 42:188-94 (1998)
46	Duerr <i>et al.</i> , <i>Am. J. Hu. Gen.</i> , 63:95-100 (1998)
47	Labuda <i>et al.</i> , <i>J. Bone Min. Res.</i> 7:1447-53 (1992)
48	Sonnenberg <i>et al.</i> , <i>Gastroenterol.</i> 102:1827 (1992)
49	Shivananda <i>et al.</i> , <i>Gut</i> , 39:690-7 (1996)
50	Moum <i>et al.</i> , <i>Scand. J. Gastroenterol.</i> , 31:362-6 (1996)
51	Radhakrishnan <i>et al.</i> , <i>Digestion</i> , 58:266-70 (1997)
52	Holick, M.F., <i>Am. J. Clin. Nutr.</i> , Mar;61(3 Suppl.):638S-645S (1995)
53	Haussler <i>et al.</i> , <i>J. Endocrinol.</i> 154:557-573 (1997)
54	Thomas <i>et al.</i> , <i>N. Eng. J. Med.</i> , 338:777-783 (1998)
55	Fiocchi, C., <i>Gastroenterology</i> , 115:182-205 (1998)
56	Pallone <i>et al.</i> , <i>Gut</i> , 28:745-753 (1987)
57	Kaulfersch <i>et al.</i> , <i>Gastroenterology</i> , 95:364-370 (1988)
58	Breese <i>et al.</i> , <i>Immunology</i> , 78:127-31 (1993)

Examiner:

SABHA GAZI

Date Considered:

9/22/2002

EXAMINER:

Initial citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

RECEIVED
APR 1 6 2002
TECH CENTER 1600/2900OFFICE
APR 0 5 2002
PATENT & TRADEMARK OFFICE

FORM PTO-1449
(Modified)U.S. Department of Commerce
Patent and Trademark OfficeAttorney Docket No.: NLIGHTS-
03835

Serial No.: 09/469,985

INFORMATION DISCLOSURE STATEMENT BY APPLICANT
(Use Several Sheets If Necessary)

(37 CFR § 1.98(b))

Applicant: Colleen E. Hayes *et al.*

Filing Date: 12/21/99

Group Art Unit: 1616

OTHER DOCUMENTS (Including Author, Title, Date, Relevant Pages, Place of Publication)

- | | |
|----|--|
| 59 | Monteleone <i>et al.</i> , <i>Gastroenterol.</i> , 112:1169-78 (1997) |
| 60 | Powrie, F., <i>Immunity</i> , 3:171-74 (1995) |
| 61 | Sadlack <i>et al.</i> , <i>Cell</i> , 75:253-61 (1993) |
| 62 | Kuhn <i>et al.</i> , <i>Cell</i> , 75:63-74 (1993) |
| 63 | Shull <i>et al.</i> , <i>Nature</i> , 359:693 (1992) |
| 64 | Mombaerts <i>et al.</i> , <i>Cell</i> , Oct 22;75(2):274-82 (1993) |
| 65 | Berg <i>et al.</i> , <i>J. Clin. Invest.</i> 98:1010-20 (1996) |
| 66 | Powrie <i>et al.</i> , <i>J. Exp. Med.</i> 183:2669-74 (1996) |
| 67 | Cantorna <i>et al.</i> , <i>Proc. Natl. Acad. Sci. USA</i> , 93:7861-7864 (1996) |
| 68 | Cantorna <i>et al.</i> , <i>J. Nutr.</i> 128:68-72 (1998) |
| 69 | Cantorna <i>et al.</i> , <i>J. Immunol.</i> 160:5314-5319 (1998) |
| 70 | Bouillon <i>et al.</i> , <i>Endocr Rev.</i> Apr;16(2):200-57 (1995) |
| 71 | Lemire <i>et al.</i> , <i>Endocrinology</i> , 135:2818-2821, (1994) |
| 72 | Koizumi <i>et al.</i> , <i>Int. Arch. Allergy Appl. Immunol.</i> , 77:396-404 (1985) |
| 73 | Abe <i>et al.</i> , <i>Endocrinology</i> , 124:2645-2647 (1989) |
| 74 | Lillevang <i>et al.</i> , <i>Clin. Exp. Immunol.</i> , 88:301-306 (1992) |
| 75 | Lemire <i>et al.</i> , <i>Transplantation</i> , 54:762-763 (1992) |
| 76 | Veyron <i>et al.</i> , <i>Transplant Immunol.</i> , 1:72-76 (1993) |
| 77 | Asou <i>et al.</i> , <i>Blood</i> , 92:2441-2449 (1998) |
| 78 | Bouillon <i>et al.</i> , <i>J. Biol. Chem.</i> , 267:3044-3051 (1992) |
| 79 | Norman <i>et al.</i> , <i>Cancer Res.</i> , 50:6857-6864 (1990) |
| 80 | Perlman <i>et al.</i> , <i>Biochemistry</i> , 29:190-196 |
| 81 | Okayasu, <i>et al.</i> , <i>Gastro.</i> , 98:694-702 (1990) |
| 82 | Bradford, M.M., <i>Anal. Biochem.</i> , 72:248-254 (1976) |
| 83 | Scheffler, W.C., <i>Statistics for the Biological Sciences</i> , 2nd Edition, Addison-Wesley Pub. Co., Reading, MA, USA, 1979) |
| 84 | Saitoh, <i>et al.</i> , <i>Digestion</i> 56:67-75 (1995) |
| 85 | Sugi <i>et al.</i> , <i>Am. J. Gastroenterol.</i> 91:927 (1996) |
| 86 | Moolenbeek and Ruitenber, <i>Lab Anim.</i> 15:57-59 (1981) |
| 87 | Boehm <i>et al.</i> , <i>Chemistry & Biology</i> 6:265-275 (1999) |
| 88 | Mahler <i>et al.</i> , <i>Am. J. Physiol.- Gastro. & Liver Physiol.</i> , 37 G: 544-G 551, (1998) |
| 89 | Hogaboam <i>et al.</i> , <i>J. Clin. Invest.</i> , 100:2766-76 (1997) |
| 90 | Krawisz <i>et al.</i> , <i>Gastroenterol.</i> 87:1344-50 (1984) |
| 91 | Schneider and Issekutz, <i>J. Immunol. Methods</i> , 198:1-14 (1996) |

Examiner:

SABINA QAZI

Date Considered:

9/22/2002

EXAMINER:

Initial citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

OTIP
APR 05 2002
PATENT & TRADEMARK OFFICE

RECEIVED
APR 10 2002
TECH CENTER 1600/2000

FORM PTO-1449 (Modified)		U.S. Department of Commerce Patent and Trademark Office		Attorney Docket No.: NLIGHTS-03835		Serial No.: 09/469,985	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use Several Sheets If Necessary)				Applicant: Colleen E. Hayes <i>et al.</i>			
				Filing Date: 12/21/99		Group Art Unit: 1616	
OTHER DOCUMENTS (Including Author, Title, Date, Relevant Pages, Place of Publication) #2							
	92	Dwarakanath <i>et al.</i> , <i>Clin. Sci.</i> 92:307-13 (1997)					
	93	Chan <i>et al.</i> , <i>Cur. Prob. Surgery</i> , 34:445-523 (1997). At the present time we are unable to obtain a copy of this reference. If the Examiner needs this reference please contact our offices and we will obtain a copy.					
	94	Strober <i>et al.</i> , <i>Immunol. Today</i> , Feb;18(2):61-4 (1997)					
	95	Caccavo <i>et al.</i> , <i>Hybridoma</i> 15:263-269 (1996)					
	96	Best <i>et al.</i> , <i>Gastroenterology</i> 70:439-444 (1976)					
	97	Bregenholt <i>et al.</i> , <i>Eur. J. Immunol.</i> 28:379-389 (1998)					
	98	Groux <i>et al.</i> , <i>Nature</i> 389:737-742 (1997)					
	99	Romagnani <i>et al.</i> , <i>Cur. Opin. in Immunology</i> 9:793-799 (1997)					
	100	Cong <i>et al.</i> , <i>J. Exp. Med.</i> 187:855-864 (1998)					
	101	Davidson <i>et al.</i> , <i>J. Exp. Med.</i> 184:241-251 (1996)					
	102	Hugot <i>et al.</i> , <i>Nature</i> 379:821-823 (1996)					
	103	Satsangi <i>et al.</i> , <i>Nature Genetics</i> 14:199-202 (1996)					
	104	Sonnenberg <i>et al.</i> , <i>Gastroenterology</i> 101:122-130 (1991)					
	105	Robinson, <i>Amer. J. of Gastro.</i> 92:12S-17S (1997)					
	106	Kornbluth <i>et al.</i> , <i>Amer. J. of Gastro.</i> 92:1424-1248 (1997)					
	107	Targan <i>et al.</i> , <i>New England Journal of Medicine</i> 337:1029-1035 (1997)					
	108	Elson <i>et al.</i> , <i>Gastroenterology</i> 109:1344-1367 (1995)					
	109	Strober <i>et al.</i> , <i>Cell</i> 75:203-205 (1993)					
	110	Targan <i>et al.</i> , <i>Nature Medicine</i> 1:1241-1243 (1995)					
	111	Sartor, <i>AJG</i> 92:5S-11S (1997)					
	112	Sonnenberg <i>et al.</i> , <i>Gastro.</i> 100:143-149 (1991)					
	113	Danze <i>et al.</i> , <i>Gut</i> 39:69-72 (1996)					
	114	Schneider <i>et al.</i> , <i>J. of Immun. Methods</i> 198:1-14 (1996)					
	115	King <i>et al.</i> , <i>J. of Leukocyte Biology</i> 61:293-302 (1997)					
	116	Motley <i>et al.</i> , <i>bone and Mineral</i> 23:95-104 (1993)					
	117	Bouillon <i>et al.</i> , <i>Horm Res.</i> 45:117-121 (1996)					
	118	Binderup <i>Biochemical Pharmacology</i> 43:1885-1892 (1992)					
	119	Ostrem <i>et al.</i> , <i>Proc. Natl. Acad. Sci. USA</i> 84:2610-2614 (1987)					
	120	Sellon <i>et al.</i> , <i>Infect. and Immun.</i> , 66:5224-5231 (1998)					
	121	Cantorna <i>et al.</i> , <i>J. Nutr.</i> , 129(11):1966-71 (1999)					
	122	Cantorna <i>et al.</i> , 66:828-831 (1998)					
	123	Bhan <i>et al.</i> , <i>Immunol. Reviews</i> , 169:195-207 (1999)					
	124	Fort <i>et al.</i> , <i>J. Immunol.</i> , 161:3256-61 (1998)					
	125	Davidson <i>et al.</i> , <i>J. Immunol.</i> , 161:3143-9 (1998)					
	126	Sandler <i>et al.</i> , <i>Inflamm. Bowel Dis.</i> , 4:175-6 (1998)					
Examiner:		SABITA QAZI		Date Considered:		9/22/2002	

APR 05 2002
U.S. DEPT. OF COMMERCE
PATENT & TRADEMARK OFFICE

RECEIVED
APR 10 2002
TECH CENTER 1600/2900